

Radionuclide	Time After End of Reactor Operation												
	0 days	1 day	1 month	3 months	6 months	1 year	1.5 years	2 years	3 years	4 years	5 years	10 years	100 years
Beryllium 10	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Calcium 41	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	99.9%
Niobium 94	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	99.7%
Carbon 14	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	99.9%	99.9%	98.8%
Molybdenum 93	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	99.9%	99.9%	99.9%	99.8%	98.3%
Silver 108m	100.0%	100.0%	100.0%	100.0%	99.9%	99.8%	99.8%	99.7%	99.5%	99.3%	99.2%	98.4%	84.7%
Nickel 59	100.0%	100.0%	100.0%	99.9%	99.8%	99.7%	99.5%	99.3%	99.0%	98.7%	98.3%	96.7%	71.5%
Nickel 63	100.0%	100.0%	99.9%	99.8%	99.7%	99.3%	99.0%	98.6%	97.9%	97.3%	96.6%	93.3%	50.0%
Cesium 137	100.0%	100.0%	99.8%	99.4%	98.9%	97.7%	96.6%	95.5%	93.3%	91.2%	89.1%	79.4%	9.9%
Strontium 90	100.0%	100.0%	99.8%	99.4%	98.8%	97.6%	96.5%	95.3%	93.0%	90.8%	88.7%	78.6%	9.0%
Hydrogen 3	100.0%	100.0%	99.5%	98.6%	97.3%	94.5%	91.9%	89.3%	84.5%	79.8%	75.4%	56.9%	0.4%
Krypton 85	100.0%	100.0%	99.5%	98.4%	96.9%	93.7%	90.7%	87.9%	82.3%	77.2%	72.3%	52.3%	0.2%
Barium 133	100.0%	100.0%	99.5%	98.4%	96.8%	93.6%	90.6%	87.7%	82.1%	76.9%	72.0%	51.8%	0.1%
Cobalt 60	100.0%	100.0%	98.9%	96.8%	93.7%	87.7%	82.1%	76.9%	67.4%	59.1%	51.8%	26.8%	0.0%
Cesium 134	100.0%	99.9%	97.3%	92.2%	85.0%	71.9%	61.0%	51.7%	37.2%	26.7%	19.2%	3.7%	0.0%
Manganese 54	100.0%	99.8%	93.6%	81.9%	67.0%	44.4%	29.6%	19.8%	8.8%	3.9%	1.7%	0.0%	0.0%
Cerium 144	100.0%	99.8%	93.0%	80.3%	64.5%	41.1%	26.4%	16.9%	7.0%	2.9%	1.2%	0.0%	0.0%
Zinc 65	100.0%	99.7%	91.8%	77.4%	60.0%	35.5%	21.1%	12.6%	4.5%	1.6%	0.6%	0.0%	0.0%
Cobalt 58	100.0%	99.0%	74.6%	41.5%	17.2%	2.8%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Yttrium 91	100.0%	98.8%	69.7%	33.8%	11.4%	1.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Strontium 89	100.0%	98.6%	66.2%	29.1%	8.5%	0.7%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Iron 59	100.0%	98.5%	62.7%	24.6%	6.1%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Barium 140	100.0%	94.7%	19.7%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Iodine 131	100.0%	91.7%	7.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Xenon 133	100.0%	87.6%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Iodine 132	100.0%	80.6%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Tellurium 132	100.0%	80.6%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Molybdenum 99	100.0%	77.7%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Yttrium 90	100.0%	77.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Lanthanum 140	100.0%	66.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Iodine 133	100.0%	44.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Strontium-91	100.0%	17.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Iodine 135	100.0%	8.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Technetium 99	100.0%	6.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Krypton 88	100.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Manganese 56	100.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Argon 41	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Krypton 87	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Iodine 134	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Tellurium 134	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bromine 84	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Xenon 135	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Rubidium 88	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Praseodymium 144	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Rubidium 89	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Xenon 138	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	Last Reactor Operation	Years Since Shutdown as of	10/24/21
Indian Point Unit 1	10/31/74	47.0	
Indian Point Unit 2	04/30/20	1.5	17.8 months
Indian Point Unit 3	04/30/21	0.5	5.8 months